CONCRETE GIRDER BRIDGE RATING DATA SHEET

Structure Number ____________________________ BIN: _____________ Year Built: _________________

County/City: _______________________________ Division: _________ Feature Intersected: ____________

Project Number: ____________________________ Standard Drawing No. (If applicable): ________________

Number of Spans: _______________ Span Lengths: _______________________________________

DECK DETAILS

Deck: Thickness = ___________ inches

Overlay Material:  
☐ None  ☐ Asphalt: Thickness: ___________ inches  ☐ Crushed Stone: Thickness: ___________ inches  
☐ Dirt: Thickness: ___________ inches ☐ Other: ______________ Thickness: ___________ inches

Curb: Curb Height: ___________ inches Curb Width Top: _______ Bottom: _______ (inches)

Guardrail Type:  ☐ Flexbeam ☐ Concrete ☐ Roundbar ☐ Timber ☐ New Jersey Barrier ☐ None  
☐ Other ______________________

Post Material:  ☐ Timber ☐ Steel ☐ Concrete ☐ None ☐ Other ____________

Common Curb, Post & Rail Configurations: Circle one that applies or supply Sketch if different.

Girder Type:  ☐ Reinforced Concrete Slab (Will need plans or standard drawing number to rate)  
☐ Simple Span Reinforced Concrete Deck Girder  
☐ Continuous Span Haunched Reinforced Concrete Deck Girder  
☐ Precast Channel Spans  
☐ Prestressed AASHTO or Bulb – T Girders (Will need plans or standard drawing number to rate)  
☐ Simple Spans ☐ Continuous for Live Load  
☐ Type I ☐ Type II ☐ Type III ☐ Type IV ☐ BT-54 ☐ BT – 63 ☐ BT – 72  
☐ Other: __________________________________________________________

(Will need Plans to Rate)

*** NOTE: All dimensions shown should be exact. Do not round, approximate or average measurements.***
PRECAST CONCRETE CHANNEL STRUCTURES

This sheet refers to spans ______________________________

SPAN LENGTH DEFINITIONS


Dimensions:

Unit “A”: Width = ___________ \( b_f = \) ___________

\( b_w = \) _____ \( H_w = \) ___________ \( t_{fillet} = \) ____

Unit “B”: Width = ___________ \( b_f = \) ___________

\( b_w = \) _____ \( H_w = \) ___________ \( t_{fillet} = \) ____

Unit “C”: Width = ___________ \( b_f = \) ___________

\( b_w = \) _____ \( H_w = \) ___________ \( t_{fillet} = \) ____

Common Curb Unit Configurations: Circle one that applies or supply Sketch if different

Cross Section:

Draw Sketch of Curb Unit

Roadway Width = _______________
(Curb to Curb)

G1: UNIT “” “S1” G5: UNIT “” “S5” G9: UNIT “” “S9”
G3: UNIT “” “S3” G7: UNIT “” “S7” G11: UNIT “” “S11”
G4: UNIT “” “S4” G8: UNIT “” “S8” G12: UNIT “” “S12”

*** NOTE: All dimensions shown should be exact. Do not round, approximate or average measurements.***
SIMPLE SPAN REINFORCED CONCRETE DECK GIRDER STRUCTURES

This sheet refers to spans ____________________________

**GIRDER LENGTH DEFINITIONS**


**Cross Section:**

Roadway Width = _______________ Deck Width = _______________ OH1 = ___________ OH2 = ___________

(Curb to Curb)

G1: \( b_w = \) ___________ \( H_w = \) ___________ \( t_{fillet} = \) ___________ S1 = ___________
G2: \( b_w = \) ___________ \( H_w = \) ___________ \( t_{fillet} = \) ___________ S2 = ___________
G3: \( b_w = \) ___________ \( H_w = \) ___________ \( t_{fillet} = \) ___________ S3 = ___________
G4: \( b_w = \) ___________ \( H_w = \) ___________ \( t_{fillet} = \) ___________ S4 = ___________
G5: \( b_w = \) ___________ \( H_w = \) ___________ \( t_{fillet} = \) ___________ S5 = ___________
G6: \( b_w = \) ___________ \( H_w = \) ___________ \( t_{fillet} = \) ___________ S6 = ___________
G7: \( b_w = \) ___________ \( H_w = \) ___________ \( t_{fillet} = \) ___________ S7 = ___________
G8: \( b_w = \) ___________ \( H_w = \) ___________ \( t_{fillet} = \) ___________ S8 = ___________
G9: \( b_w = \) ___________ \( H_w = \) ___________ \( t_{fillet} = \) ___________ S9 = ___________
G10: \( b_w = \) ___________ \( H_w = \) ___________ \( t_{fillet} = \) ___________ S10 = ___________
G11: \( b_w = \) ___________ \( H_w = \) ___________ \( t_{fillet} = \) ___________ S11 = ___________
G12: \( b_w = \) ___________ \( H_w = \) ___________ \( t_{fillet} = \) ___________ S12 = ___________
G13: \( b_w = \) ___________ \( H_w = \) ___________ \( t_{fillet} = \) ___________

***NOTE: All dimensions shown should be exact. Do not round, approximate or average measurements.***
CONTINUOUS SPAN REINFORCED CONCRETE DECK GIRDER STRUCTURES

This sheet refers to spans

CONTINUOUS SPAN DEFINITIONS

First Span:
- Span #: ______
- Span Length: ______________
- C – C Bearing: ______________
- B1: __________

Diaphragm Spacing:
- D1: ______
- D2: ______
- D3: ______
- D4: ______
- D5: ______

Interior Spans:
- Span #: ______
- Span Length: ______________

Diaphragm Spacing:
- D1: ______
- D2: ______
- D3: ______
- D4: ______
- D5: ______

Last Span:
- Span #: ______
- Span Length: ______________
- C – C Bearing: ______________
- B2: __________

Diaphragm Spacing:
- D1: ______
- D2: ______
- D3: ______
- D4: ______
- D5: ______

Cross Section:

Roadway Width = __________ (Curb to Curb)

Deck Width = ______________
- OH1 = __________
- OH2 = __________

G1:  
- b_w = ______
- H_wpos = ______
- H_wneg = ______
- t_fillet = ______
- S1 = __________

G2:  
- b_w = ______
- H_wpos = ______
- H_wneg = ______
- t_fillet = ______
- S2 = __________

G3:  
- b_w = ______
- H_wpos = ______
- H_wneg = ______
- t_fillet = ______
- S3 = __________

G4:  
- b_w = ______
- H_wpos = ______
- H_wneg = ______
- t_fillet = ______
- S4 = __________

G5:  
- b_w = ______
- H_wpos = ______
- H_wneg = ______
- t_fillet = ______
- S5 = __________

G6:  
- b_w = ______
- H_wpos = ______
- H_wneg = ______
- t_fillet = ______
- S6 = __________

G7:  
- b_w = ______
- H_wpos = ______
- H_wneg = ______
- t_fillet = ______
- S7 = __________

G8:  
- b_w = ______
- H_wpos = ______
- H_wneg = ______
- t_fillet = ______

*** NOTE: All dimensions shown should be exact. Do not round, approximate or average measurements.
PRESTRESSED CONCRETE GIRDER STRUCTURES

This sheet refers to spans ____________________________

Cross Section:

Roadway Width = _________________      Deck Width =______________________      OH1 = __________    OH2 = __________
(Curb to Curb)

Number of Girders = _______ _     Girder Spacing = ________________     D = __________  inches     b_l = __________ inches

Span #:______     Span Length: __________     C – C Bearing: __________       Is this  span           Simple         Live Load Continuous
Diaphram Spacing:  D1 = ________      D2 = ________      D3 = ________      D4 = ________      D5 = ________

Span #:______     Span Length: __________     C – C Bearing: __________       Is this  span           Simple         Live Load Continuous
Diaphram Spacing:  D1 = ________      D2 = ________      D3 = ________      D4 = ________      D5 = ________

Span #:______     Span Length: __________     C – C Bearing: __________       Is this  span           Simple         Live Load Continuous
Diaphram Spacing:  D1 = ________      D2 = ________      D3 = ________      D4 = ________      D5 = ________

Span #:______     Span Length: __________     C – C Bearing: __________       Is this  span           Simple         Live Load Continuous
Diaphram Spacing:  D1 = ________      D2 = ________      D3 = ________      D4 = ________      D5 = ________

Span #:______     Span Length: __________     C – C Bearing: __________       Is this  span           Simple         Live Load Continuous
Diaphram Spacing:  D1 = ________      D2 = ________      D3 = ________      D4 = ________      D5 = ________

Span #:______     Span Length: __________     C – C Bearing: __________       Is this  span           Simple         Live Load Continuous
Diaphram Spacing:  D1 = ________      D2 = ________      D3 = ________      D4 = ________      D5 = ________

*** NOTE:  All dimensions shown should be exact.  Do not round, approximate or average measurements.
SKEWED, CURVED AND FLARED SPANS

**Deck Geometry:** Are the Bridge Spans Skewed: □ Y □ N  Curved: □ Y □ N  Flared: □ Y □ N

---

**NOTE:** All dimensions shown should be exact. Do not round, approximate or average measurements.
Substructure Material: TIMBER  STEEL  CONCRETE  OTHER (specify): _________________________

Sketch any loss of section that may affect the safe load capacity of the structure showing location and extent of flaw(s).

Please sketch any unusual characteristic of the structure that may need special consideration.

Some structures have several different types of spans. An overall sketch of the structure is helpful in such a situation. Submit as many forms as necessary to describe the entire structure.